

*See A1*

WHAT IS CLAIMED IS:

1. A multilayer inductor comprising:  
a plurality of stacked magnetic layers;  
5 through-holes formed in the stacked magnetic layers;  
and  
a plurality of coil conductor patterns disposed between  
the plurality of magnetic layers and spirally connected to  
each other via the through-holes;
- 10 wherein the area of a projected plane of a circuit of  
each coil conductor pattern on a main surface of the  
magnetic layer is in a range from about 35% to about 75% of  
the area of the main surface of the magnetic layer.
- 15 2. A multilayer inductor according to Claim 1, further  
comprising a nonmagnetic element disposed in the vicinity of  
the coil conductor patterns in the magnetic layer.
- 20 3. A multilayer inductor according to Claim 1, further  
comprising external electrodes provided on the ends of the  
multilayer inductor.
- 25 4. A multilayer inductor according to Claim 3, wherein  
the coil conductor patterns include lead out portions which  
are connected to respective ones of the external electrodes.

5. A multilayer inductor according to Claim 1, wherein  
the magnetic layers are substantially disk-shaped.

5       6. A multilayer inductor according to Claim 1, wherein  
the projected plane of the circuit of the coil conductor  
patterns on the main surfaces of the magnetic layers is  
substantially ring-shaped.

10       7. A multilayer inductor according to Claim 1, wherein  
an air gap or a cavity is disposed inside one of the  
plurality of coil conductor patterns.

15       8. A multilayer inductor according to Claim 1, wherein  
selected ones of the plurality of coil conductor patterns  
have substantially C-shaped configurations.

20       9. A multilayer inductor according to Claim 1, wherein  
selected ones of the plurality of coil conductor patterns  
have substantially J-shaped configurations.

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